

USDA Agricultural Outlook Forum 2003

*Manufacturing High Quality Fertilizers
from Poultry Manure*

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Arlington, Virginia



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The Future of Organic Wastes

Increasingly, organic wastes will be utilized by the fertilizer industry, both in specialty fertilizers as well as general agricultural fertilizers.



Background in VA

Spotlight is on the Poultry Industry

Problems in the Waterways

- *Run-off from Poultry Manure*

But Also-

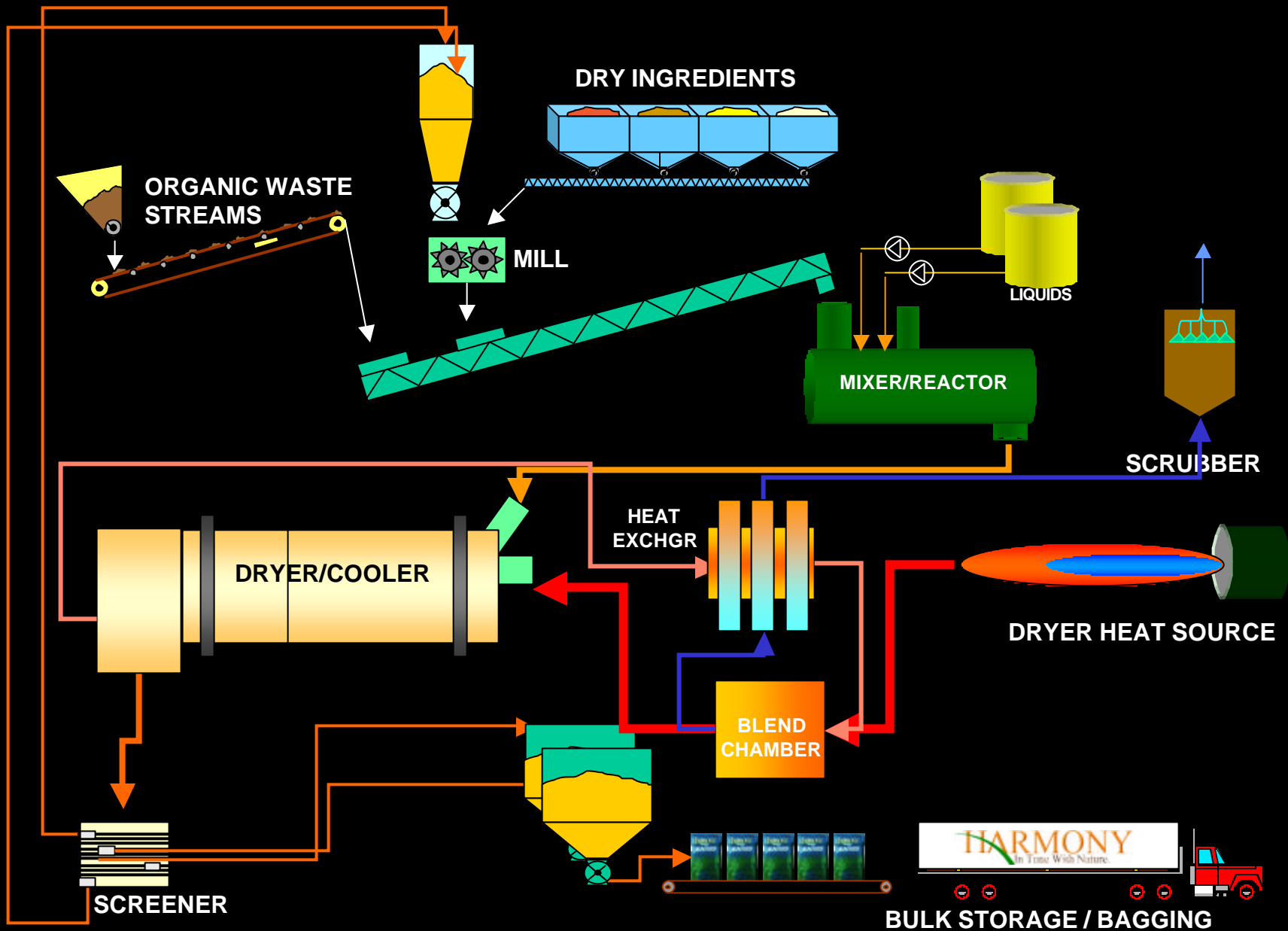
- *Chemical Fertilizers*
- *Industrial Sources*
- *Other Livestock*

The Poultry Industry is a Convenient Target

Harmony Utilizes Organic Wastes

Over 30
Technologies
Evaluated to
Process Broiler
and Turkey
Litter





Converting Manure to Mainstream Fertilizers



Granular Organic Based

Greens Grade

Varying Ratios

[illegible]

- Raise the Analysis
- Afford to Ship
- Economical to Use



HARMONY

In Tune With Nature®

14-3-6

COMPLETE TURF & LANDSCAPE WITH 1% IRON

MID GRADE

USE HARMONY PRODUCTS AND PROGRAMS FOR ANNUAL
PLANT NUTRIENT REQUIREMENTS - ADDITIONS OF ORGANIC MATTER
MAINTENANCE OF CN RATIO

MANUFACTURED BY HARMONY PRODUCTS, INC.
HEDDINGTON POINT PLANT, 30175 S.W. TECHMOORE, WA 98132 • 800-943-6343

GUARANTEE ANALYSIS

TOTAL NITROGEN (%)	14.00	14.00	14.00
AMMONIA NITROGEN (%)	0.00	0.00	0.00
NO. 3 NITROGEN (%)	0.00	0.00	0.00
NO. 4 NITROGEN (%)	0.00	0.00	0.00
NO. 5 NITROGEN (%)	0.00	0.00	0.00
NO. 6 NITROGEN (%)	0.00	0.00	0.00
NO. 7 NITROGEN (%)	0.00	0.00	0.00
NO. 8 NITROGEN (%)	0.00	0.00	0.00
NO. 9 NITROGEN (%)	0.00	0.00	0.00
NO. 10 NITROGEN (%)	0.00	0.00	0.00
NO. 11 NITROGEN (%)	0.00	0.00	0.00
NO. 12 NITROGEN (%)	0.00	0.00	0.00
NO. 13 NITROGEN (%)	0.00	0.00	0.00
NO. 14 NITROGEN (%)	0.00	0.00	0.00
NO. 15 NITROGEN (%)	0.00	0.00	0.00
NO. 16 NITROGEN (%)	0.00	0.00	0.00
NO. 17 NITROGEN (%)	0.00	0.00	0.00
NO. 18 NITROGEN (%)	0.00	0.00	0.00
NO. 19 NITROGEN (%)	0.00	0.00	0.00
NO. 20 NITROGEN (%)	0.00	0.00	0.00
NO. 21 NITROGEN (%)	0.00	0.00	0.00
NO. 22 NITROGEN (%)	0.00	0.00	0.00
NO. 23 NITROGEN (%)	0.00	0.00	0.00
NO. 24 NITROGEN (%)	0.00	0.00	0.00
NO. 25 NITROGEN (%)	0.00	0.00	0.00
NO. 26 NITROGEN (%)	0.00	0.00	0.00
NO. 27 NITROGEN (%)	0.00	0.00	0.00
NO. 28 NITROGEN (%)	0.00	0.00	0.00
NO. 29 NITROGEN (%)	0.00	0.00	0.00
NO. 30 NITROGEN (%)	0.00	0.00	0.00
NO. 31 NITROGEN (%)	0.00	0.00	0.00
NO. 32 NITROGEN (%)	0.00	0.00	0.00
NO. 33 NITROGEN (%)	0.00	0.00	0.00
NO. 34 NITROGEN (%)	0.00	0.00	0.00
NO. 35 NITROGEN (%)	0.00	0.00	0.00
NO. 36 NITROGEN (%)	0.00	0.00	0.00
NO. 37 NITROGEN (%)	0.00	0.00	0.00
NO. 38 NITROGEN (%)	0.00	0.00	0.00
NO. 39 NITROGEN (%)	0.00	0.00	0.00
NO. 40 NITROGEN (%)	0.00	0.00	0.00
NO. 41 NITROGEN (%)	0.00	0.00	0.00
NO. 42 NITROGEN (%)	0.00	0.00	0.00
NO. 43 NITROGEN (%)	0.00	0.00	0.00
NO. 44 NITROGEN (%)	0.00	0.00	0.00
NO. 45 NITROGEN (%)	0.00	0.00	0.00
NO. 46 NITROGEN (%)	0.00	0.00	0.00
NO. 47 NITROGEN (%)	0.00	0.00	0.00
NO. 48 NITROGEN (%)	0.00	0.00	0.00
NO. 49 NITROGEN (%)	0.00	0.00	0.00
NO. 50 NITROGEN (%)	0.00	0.00	0.00
NO. 51 NITROGEN (%)	0.00	0.00	0.00
NO. 52 NITROGEN (%)	0.00	0.00	0.00
NO. 53 NITROGEN (%)	0.00	0.00	0.00
NO. 54 NITROGEN (%)	0.00	0.00	0.00
NO. 55 NITROGEN (%)	0.00	0.00	0.00
NO. 56 NITROGEN (%)	0.00	0.00	0.00
NO. 57 NITROGEN (%)	0.00	0.00	0.00
NO. 58 NITROGEN (%)	0.00	0.00	0.00
NO. 59 NITROGEN (%)	0.00	0.00	0.00
NO. 60 NITROGEN (%)	0.00	0.00	0.00
NO. 61 NITROGEN (%)	0.00	0.00	0.00
NO. 62 NITROGEN (%)	0.00	0.00	0.00
NO. 63 NITROGEN (%)	0.00	0.00	0.00
NO. 64 NITROGEN (%)	0.00	0.00	0.00
NO. 65 NITROGEN (%)	0.00	0.00	0.00
NO. 66 NITROGEN (%)	0.00	0.00	0.00
NO. 67 NITROGEN (%)	0.00	0.00	0.00
NO. 68 NITROGEN (%)	0.00	0.00	0.00
NO. 69 NITROGEN (%)	0.00	0.00	0.00
NO. 70 NITROGEN (%)			

- High Value
- No Run-Off

Harmony Markets

- All Market Segments



Summary-Harmony Technology's Marketing Advantages

•Organic Based Bridge©Products

Harmony combines soil building natural organics such as animal manures, biosolids and food processing wastes with concentrated synthetic plant foods to produce higher analysis, agronomically superior fertilizers.

•Slow Release, Methylene Urea Nitrogen

With our patented technology, valuable methylene urea compounds are manufactured in the process, and when complexed with the organic base provide both natural and synthetic slow releasing plant food compounds.

•Homogenous Granules

Each Harmony granule contains the same uniform mixture of plant food throughout, providing more uniform nutrient distribution when applied.

•Greens Grade

The Harmony Technology enables us to produce both larger turf type granules as well as a very small, Greens Grade granule. This allows the Superintendent to apply our homogenous products year round on golf greens for non-obtrusive fertilization.

•Environmentally Sound Fertilizers

Harmony utilizes numerous environmental factors in the production of our complete product line. Our natural organic bases, many considered waste products, contain organic plant food. When complexed with our Methylene urea technology, these nutrients are released more slowly, and utilized more effectively by the plant. This reduces the nutrient run-off associated with human and animal waste, as well as soluble chemical fertilizers. The result is a healthier plant and cleaner environment.

Harmony Mountain
Greenbrier Valley, WV

Thank You!!

www.harmonyproducts.com

HARMONY
In Tune With Nature

